

$1/20$

$2/20$
$3/20$
$4/20$
$5/20$
$6/20$

FIG 1

CGA GTA AGT ATG GCT GTT 18
Arg Val Ser Met Ala Val
-29

CAC AGA GTT AGT TTC CTT GCT CTC CTC CTC TTA TTT GGA ATG TCT CTG
His Arg Val Ser Phe Leu Ala Leu Leu Leu Phe Gly Met Ser Leu

-20

[illegible]

AAAG AAT GAT CGG ATA TGC ACC AAC TGT TGC GCA GGC ACC AAG GGT TGT	210
Lys Asn Asp Arg ile Cys Thr Asn Cys Cys Ala Gly Thr Lys Gly Cys	
<u>25</u>	<u>30</u>
	35

AAG	TAC	TTC	AGT	GAT	GAT	GGA	ACT	TTT	GTT	TGT	GAA	GGA	GAG	TCT	GAT	258
Lys	Tyr	Phe	Ser	Asp	Asp	Gly	Thr	Phe	Val	Cys	Glu	Gly	Glu	Ser	Asp	
	40					45					50					

FIG 1

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CCT AGA AAT CCA AAG GCT TGT ACC TTA AAC TGT GAT CCA AGA ATT GCC	306
Pro Arg Asn Pro Lys Ala Cys Thr <u>Leu Asn</u> Cys Asp Pro Arg Ile Ala	
55 60 65 70	
TAT GGA GTT TGC CCG CGT TCA GAA AAG AAT GAT CGG ATA TGC	354
Tyr Gly Val Cys Pro Arg Ser Glu Lys Lys Asn Asp Arg Ile Cys	
75 80 85	
ACC AAC TGT TGC GCA GGC ACG AAG GGT TGT AAG TAC TTC AGT GAT GAT	402
Thr Asn Cys Cys Ala Gly Thr Lys Lys Gly Cys Lys Tyr Phe Ser Asp Asp	
90 95 100	
GGA ACT TTT GTT TGT GAA GAG TCT GAT CCT AGA AAT CCA AAG GCT	450
Gly Thr Phe Val Cys Glu Gly Glu Ser Asp Pro Arg Asn Pro Lys Ala	
105 110 115	
TGT CCT CGG AAT TGC GAT CCA AGA ATT GCC TAT GGG ATT TGC CCA CTT	498
Cys Pro <u>Arg Asn</u> Cys Asp Pro Arg Ile Ala Tyr Gly Ile Cys Pro Leu	
120 125 130	
GCA GAA GAA AAG AAT GAT CGG ATA TGC ACC AAC TGT TGC GCA GGC	546
Ala Glu Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly	
135 140 145 150	

FIG 1

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AAA AAG GGT TGT AAG TAC TTT AGT GAT GAT GGA ACT TTT GTT TGT GAA 594
 Lys Lys Gly Cys 155
 160
 165
 GGA GAG TCT GAT CCT AAA AAT CCA AAG GCC TGT CCT CGG AAT TGT GAT 642
 Gly Glu Ser Asp Pro Lys Asn Pro Lys Ala Cys Pro Arg Asn Cys Asp
 170 175 180
 GGA AGA ATT GCC TAT GGG ATT TGC CCA CTT TCA GAA AAG AAG AAT 690
 Gly Arg Ile Ala Tyr Gly Ile Cys Pro Leu Ser Glu Glu Lys Lys Asn
 185 190 195
 GAT CGG ATA TGC ACC AAC TGC TGC GCA GGC AAA AAG GGT TGT AAG TAC 738
 Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly Lys Lys Gly Cys Lys Tyr
 200 205 210
 TTT AGT GAT GAT GGA ACT TTT GTT TGT GAA GGA GAG TCT GAT CCT AAA 786
 Phe Ser Asp Asp Gly Thr Phe Val Cys Glu Gly Glu Ser Asp Pro Lys
 215 220 225 230
 AAT CCA AAG GCT TGT CCT CGG AAT TGT GAT GGA AGA ATT GCC TAT GGG 834
 Asn Pro Lys Ala Cys Pro Arg Asn Cys Asp Gly Arg Ile Ala Tyr Gly
 235 240 245

FIG 1

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ATT TGC CCA CTT TCA GAA GAA AAG AAT GAT CGG ATA TGC ACA AAC	882
Ile Cys Pro Leu Ser Glu Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn	
250 255 260	
TGT TGC GCA GGC AAA AAG GAG TGT AAG TAC TTT AGT GAT GAT GGA ACT	930
Cys Cys Ala Gly Lys Lys Gly Cys Lys Tyr Phe Ser Asp Asp Gly Thr	
265 270 275	
TTT GTT TGT GAA GGA GAG TCT GAT CCT AGA AAT CCA AAG GCC TGT CCT	978
Phe Val Cys Glu Gly Glu Ser Asp Pro Arg Asn Pro Lys Ala Cys Pro	
280 285 290	
CGG AAT TGT GAT GCA AGA ATT GCC TAT GGA ATT TGC CCA CTT TCA GAA	1026
Arg Asn Cys Asp Gly Arg Ile Ala Tyr Gly Ile Cys Pro Leu Ser Glu	
295 300 305 310	
GAA AAG AAT GAT CGG ATA TGC ACC AAT TGT TGC GCA GGC AAG AAG	1074
Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly Lys Lys	
315 320 325	
GGC TGT AAG TAC TTT AGT GAT GAT GGA ACT TTT ATT TGT GAA GGA GAA	1122
Gly Cys Lys Tyr Phe Ser Asp Asp Gly Thr Phe Ile Cys Glu Gly Glu	
330 335 340	

FIG 1

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TCT GAA TAT GCC AGC AAA GTG GAT GAA TAT GTT GGT GAA GTG GAG AAT 1170
Ser Glu Tyr Ala Ser Lys Val Asp Glu Tyr Val Gly Glu Val Glu Asn 355
345 350

GAT CTC CAG AAG TCT AAG GTT GCT GCT TCC TAAGTCCTAA CTAATAATAT 1220
Asp Leu Gln Lys Ser Lys Val Ala Val Ser 365
360

GTAGTCTATG TATGAAACAA AGGCATGCCA ATATGCTCTG TCTTGCCTGT AATCTGTAAT 1280

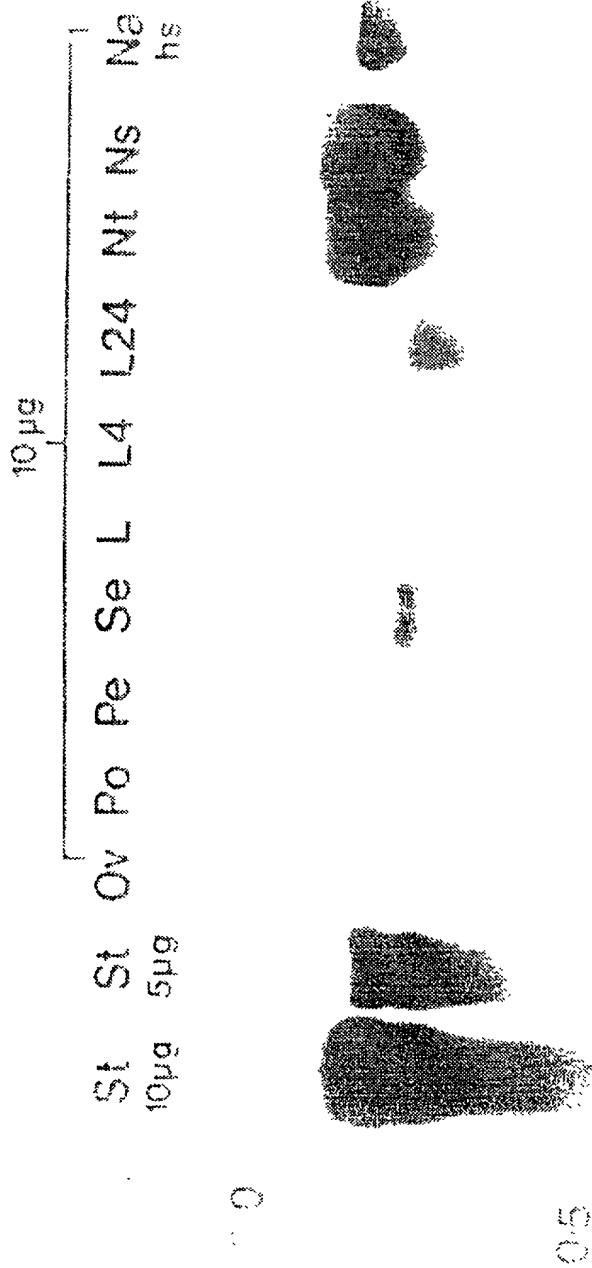
ATGGTAGTGG AGCTTTTCCA CTGCCCTGTTT AATAAGAAAT GGAGCACTAG TTGTTTTAG 1340

TTAAAAAAA AAAAAAAA 1360

FIG 1

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FIG 2



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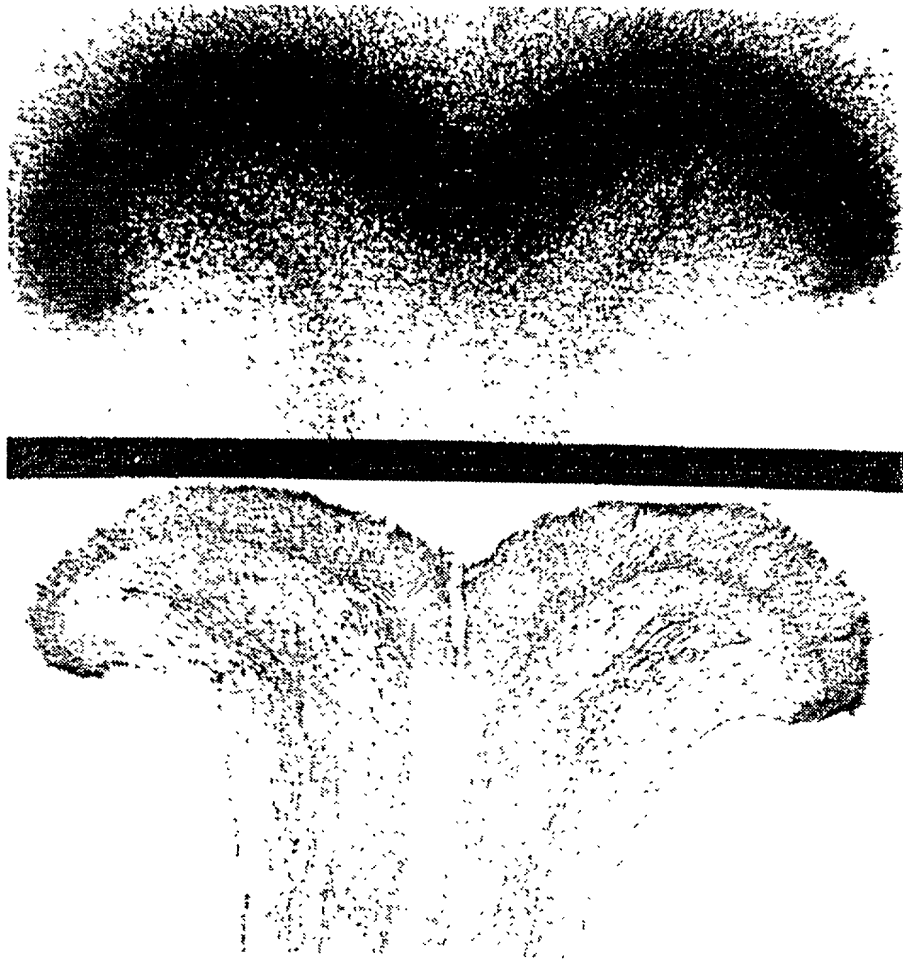


FIG 3

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EcoRI HindIII

9.4

6.5

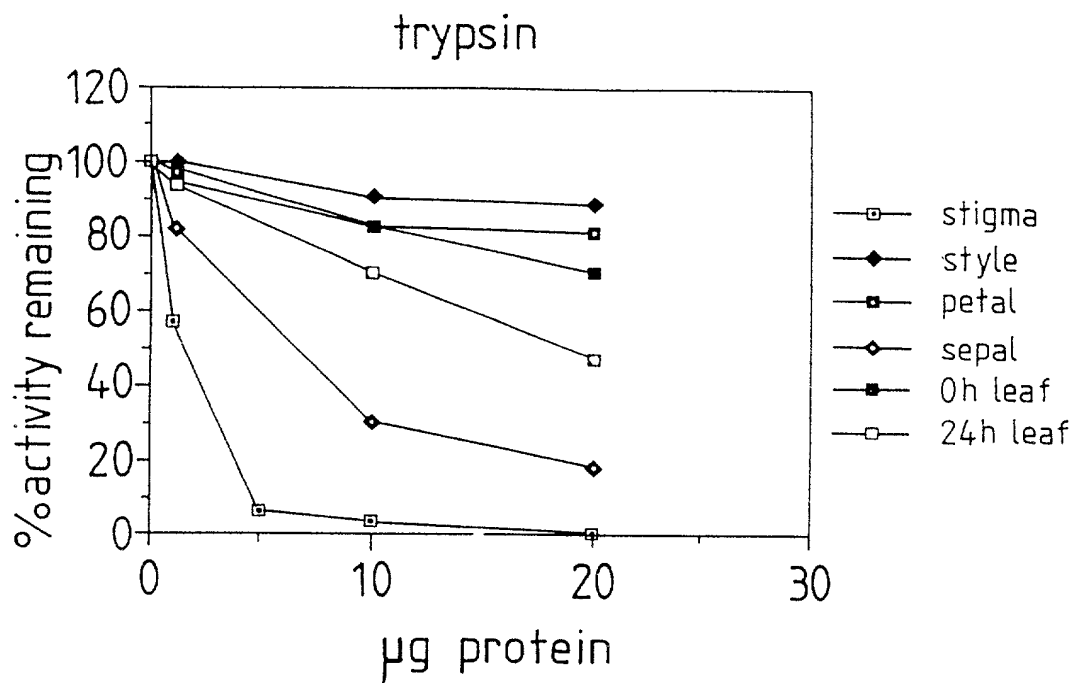
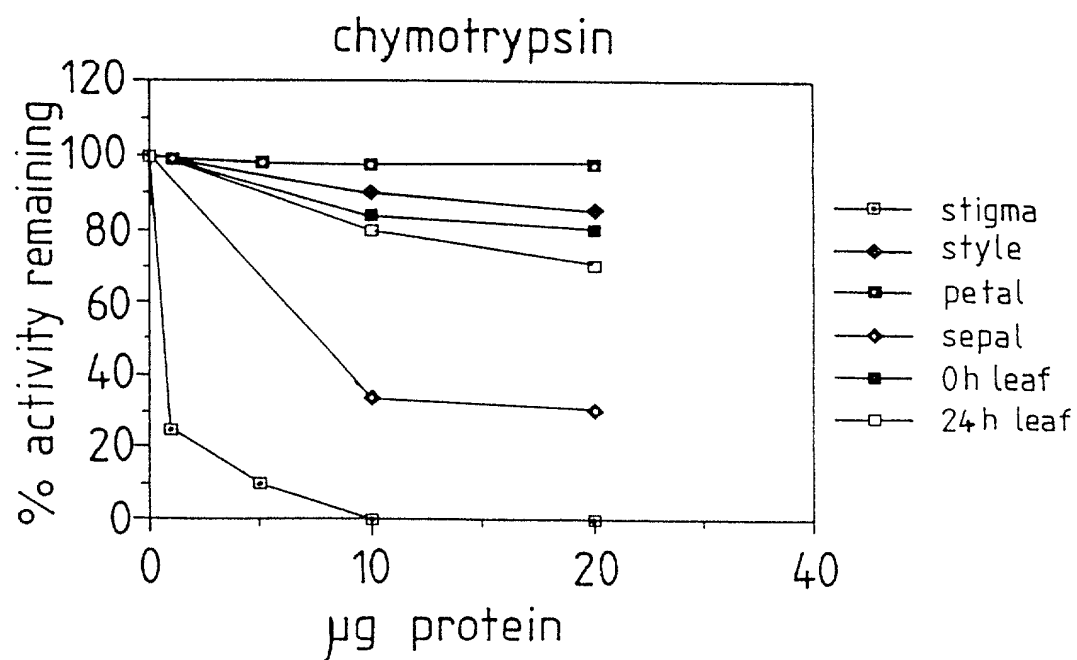
4.3

2.3

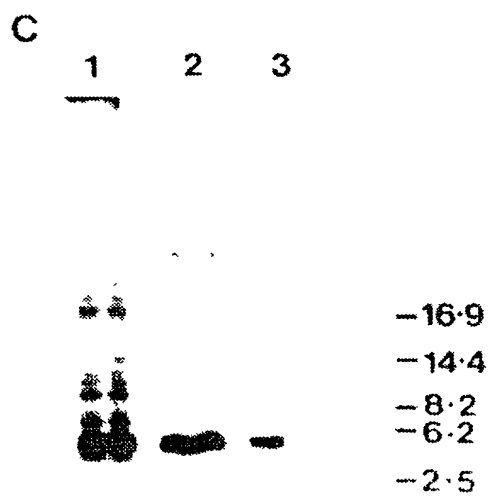
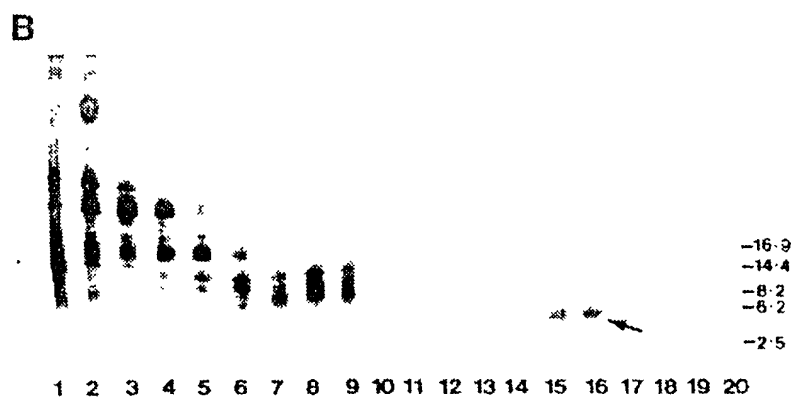
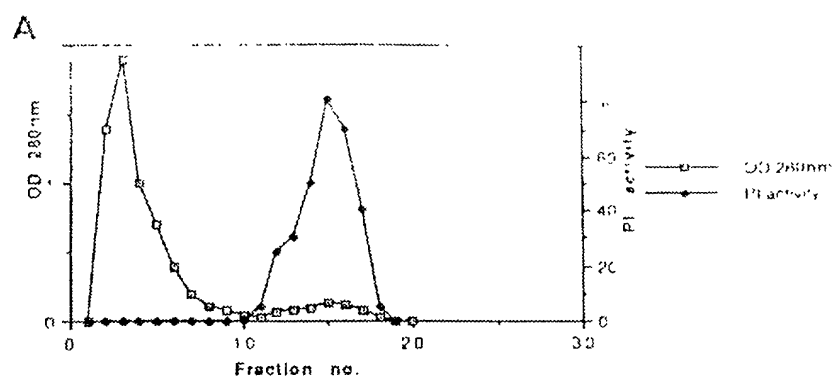
2.0

FIG 4

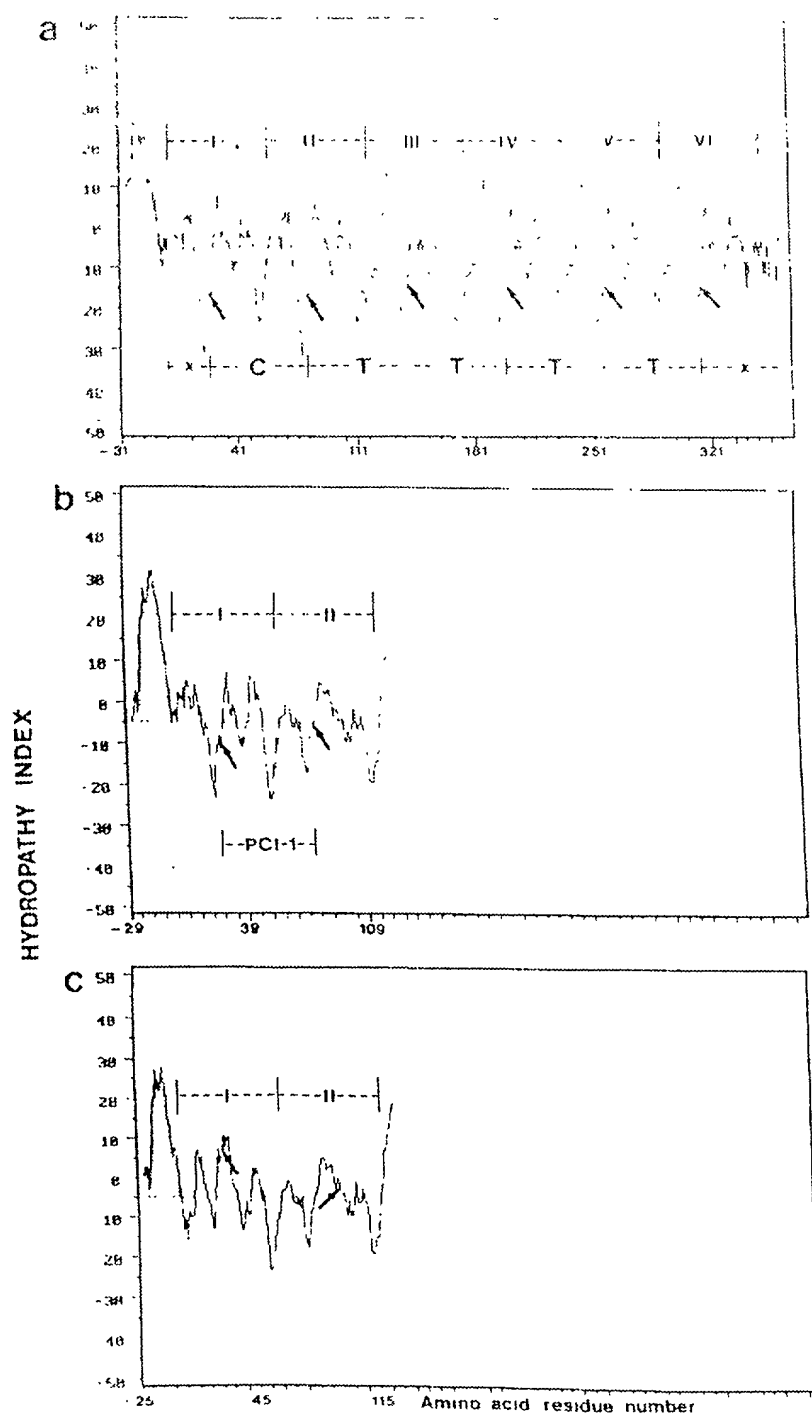
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FIGURE 5AFIGURE 5B

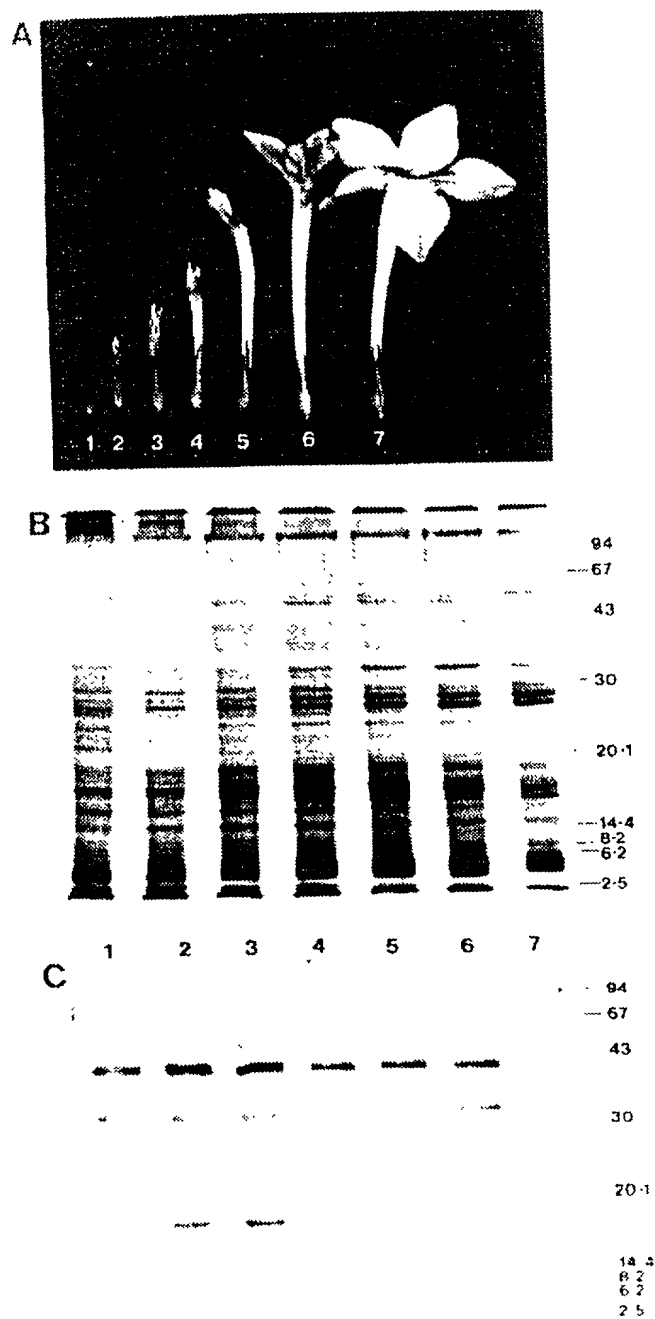
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FIG 6

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FIG 7

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FIG 8

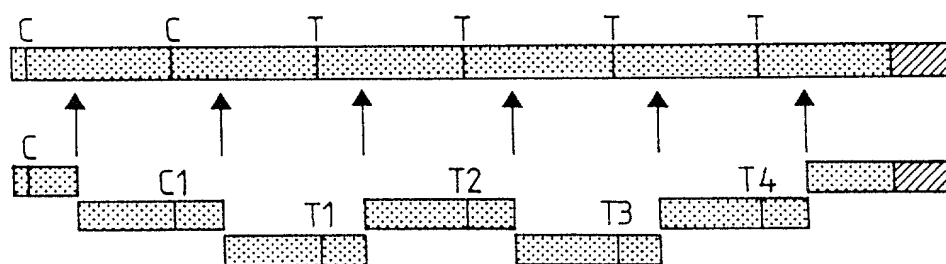
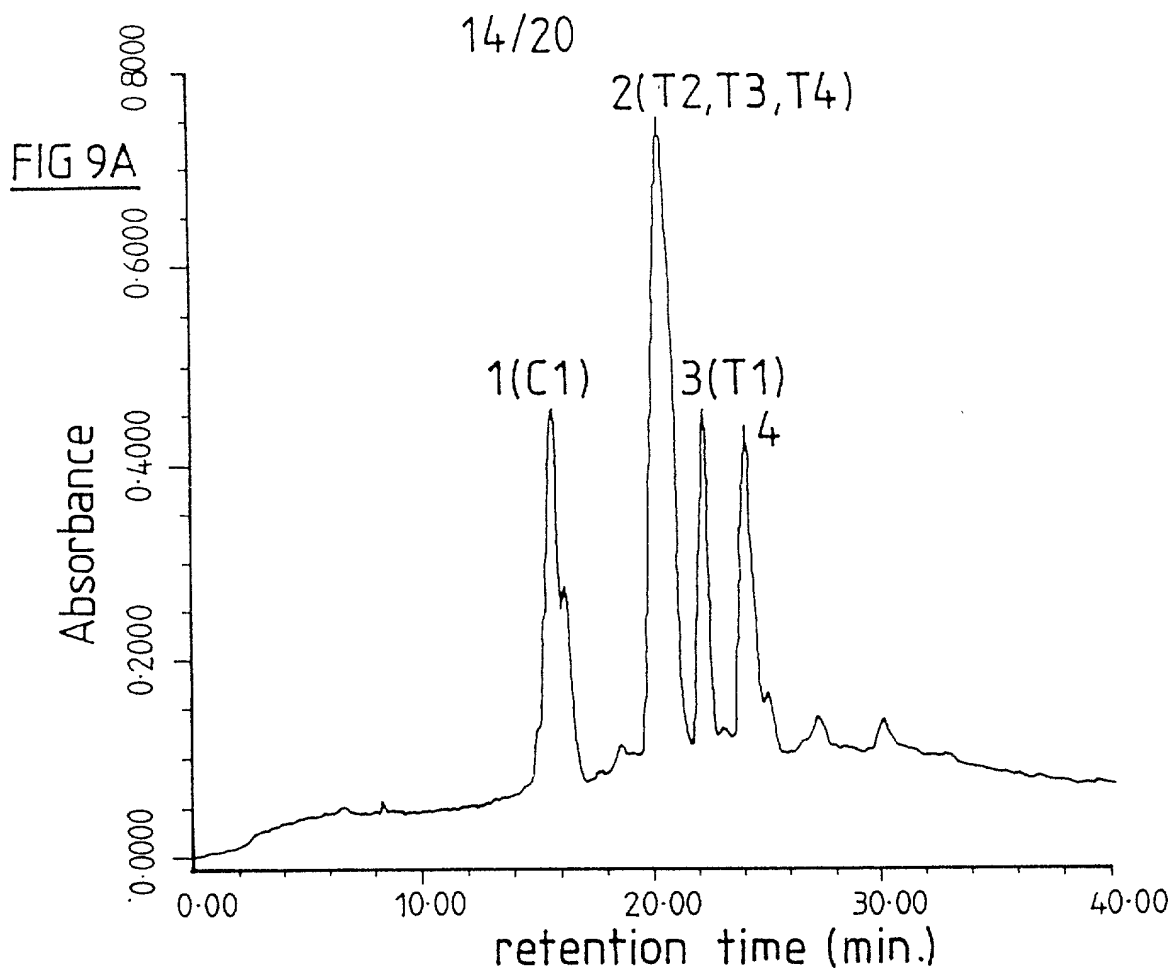


FIG 9B

C1 DRICTNCCAGTKGCKYFSDDGTFVCEGESDPRNPKACTTLNCDPRIAYGVCPRS

T1 DRICTNCCAGTKGCKYFSDDGTFVCEGESDPRNPKACPRNCDPRIAYGICPL

T2 DRICTNCCAGKKKGCKYFSDDGTFVCEGESDPKNPKACPRNCDGRIAYGICPLS

T3 DRICTNCCAGKKKGCKYFSDDGTFVCEGESDPKNPKACPRNCDGRIAYGICPLS

T4 DRICTNCCAGKKKGCKYFSDDGTFVCEGESDPRNPKACPRNCDGRIAYGICPLS

1 10 20 30 40 50

FIGURE 9C

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-10      1      10
ICP(R or L)(Sor A)EEKKNDRIC TNCCAG(T or K)KG

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FIGURE 10

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FIG 11A

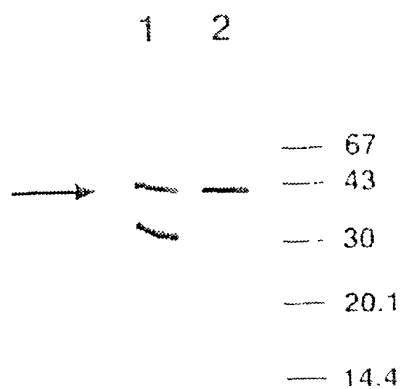
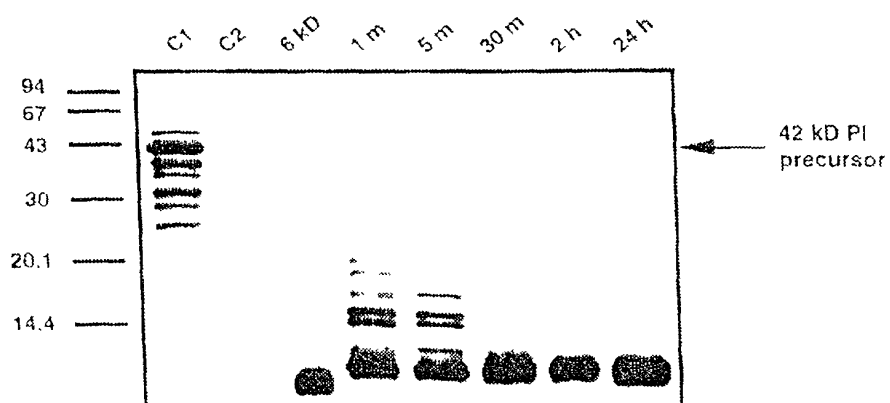
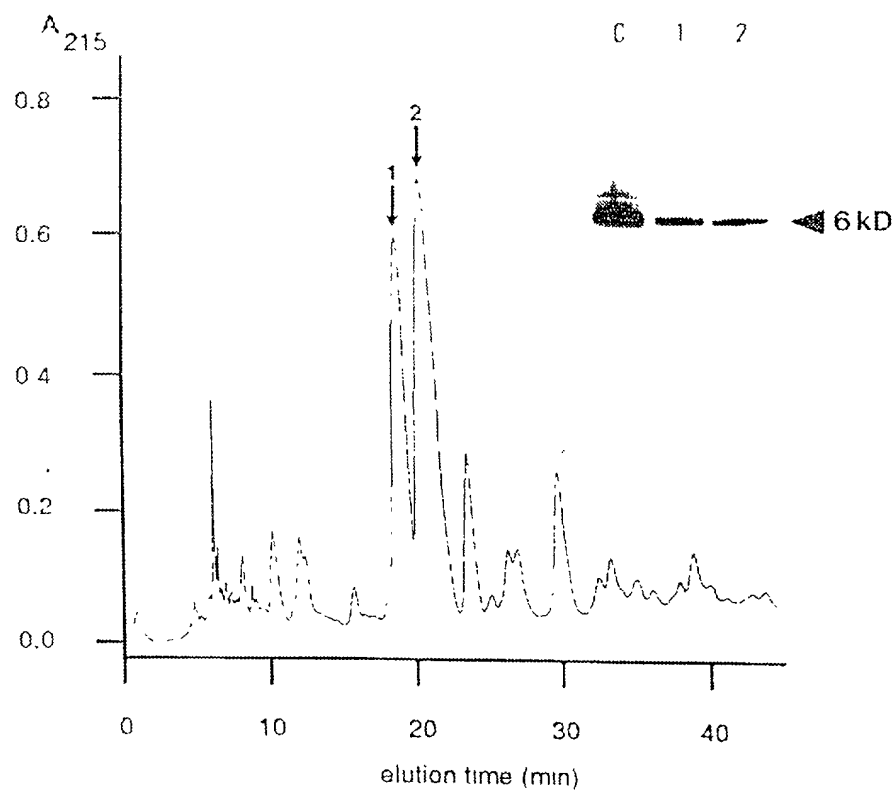


FIG 11B

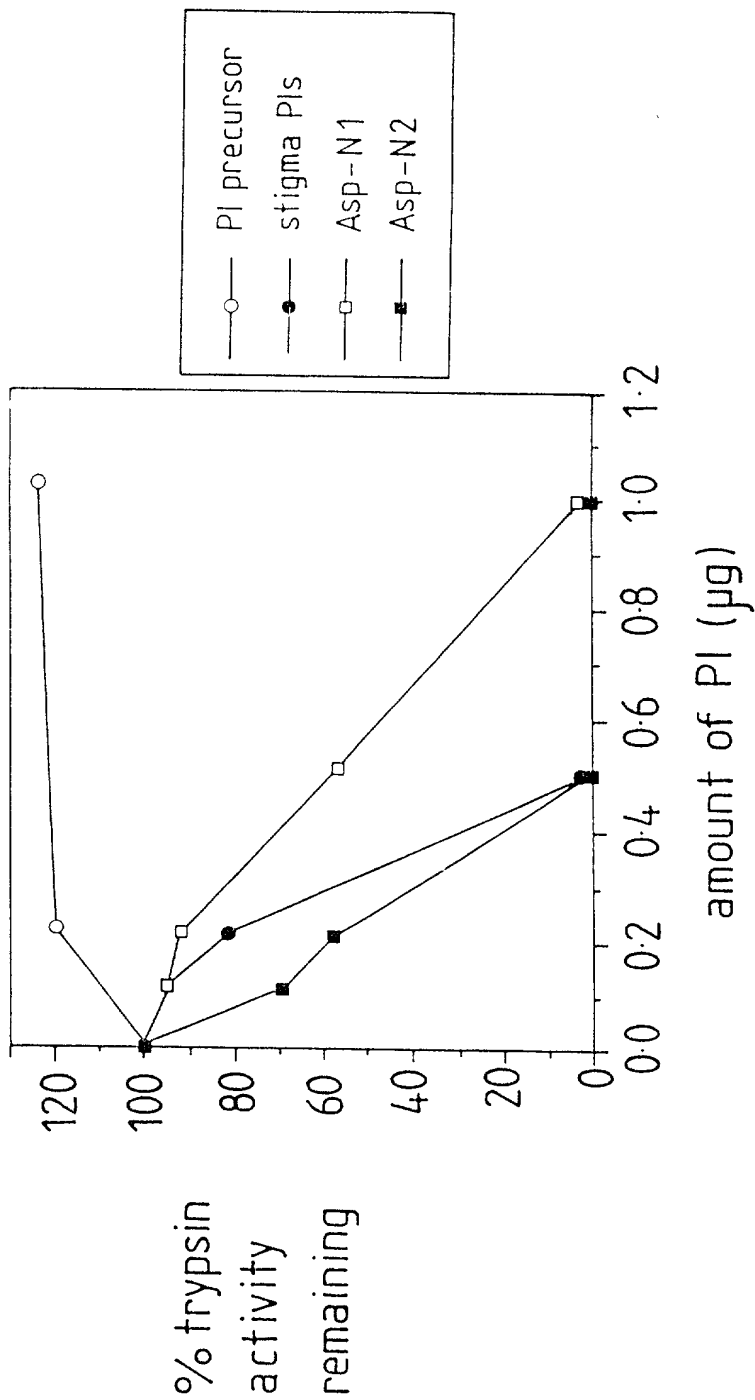


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FIG 12

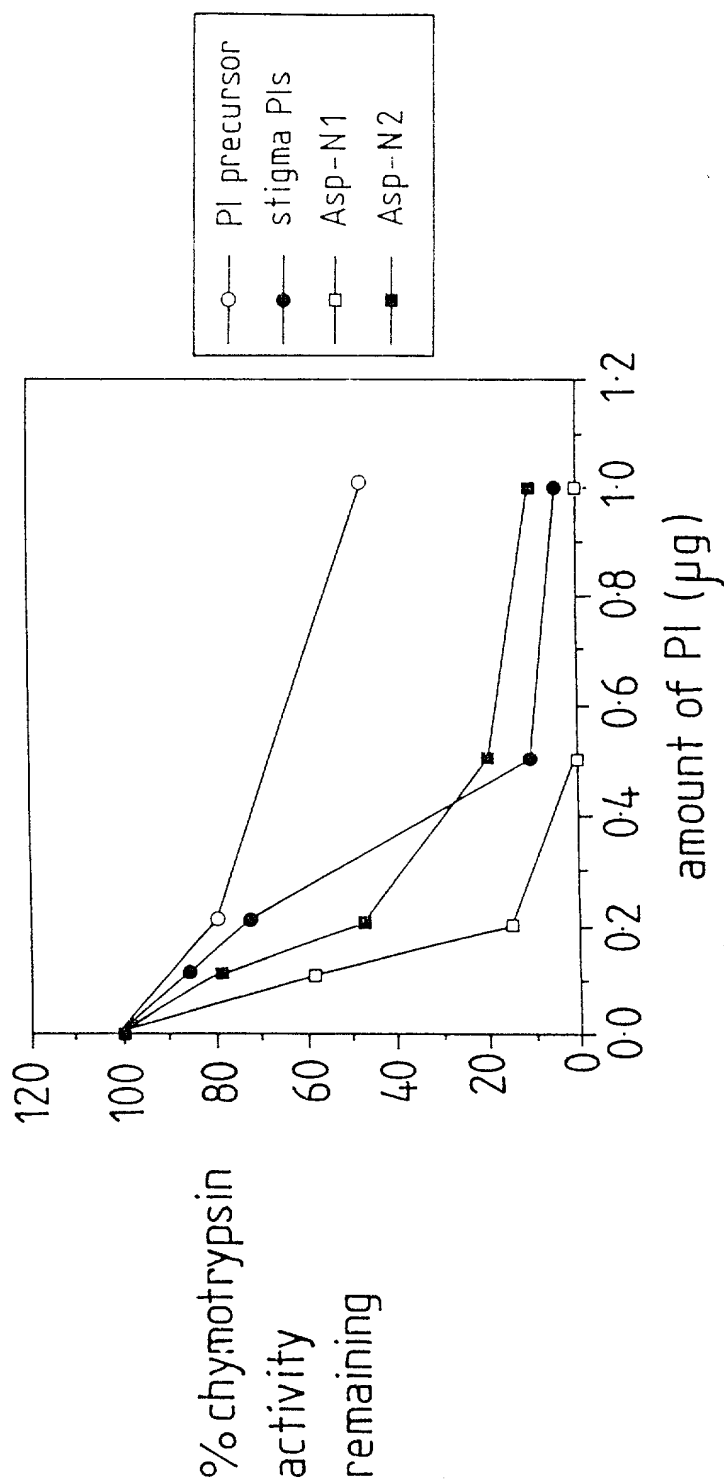
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FIGURE 13A

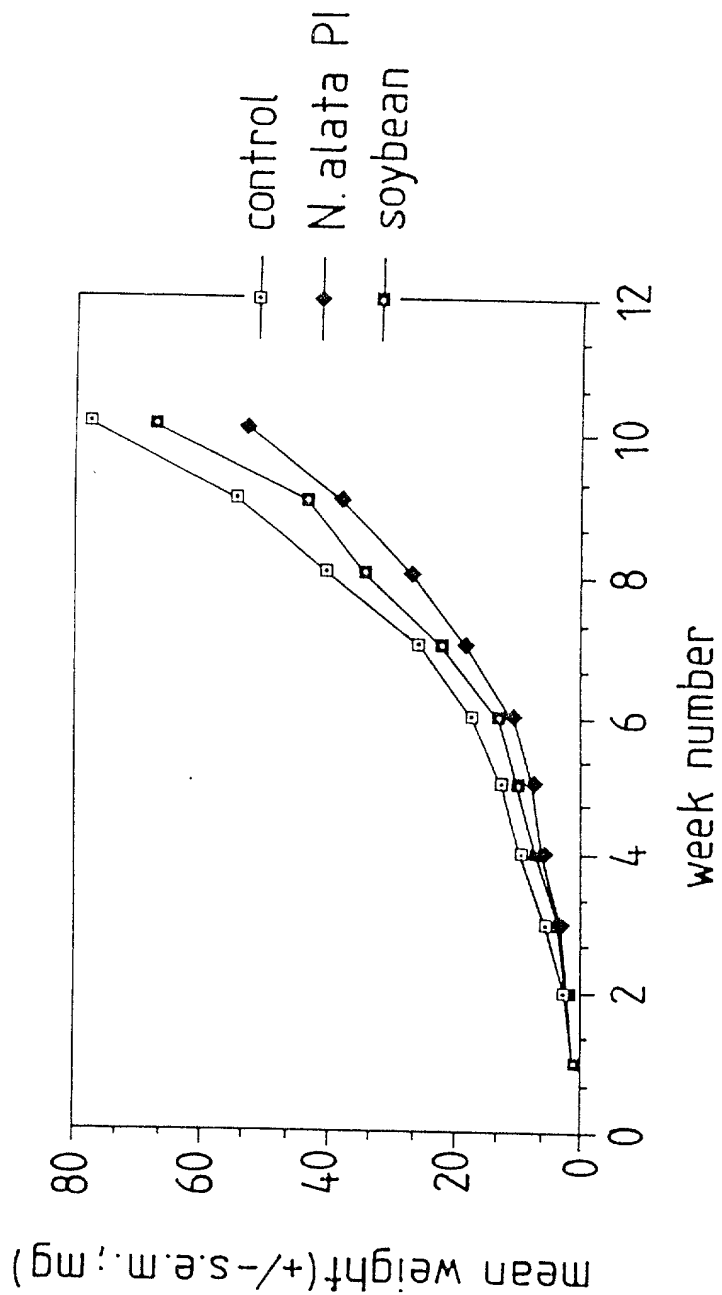


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FIGURE 13B



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FIGURE 14